

WHAT IS CLAIMED IS:

1. An heating-resistor type mass airflow measuring apparatus, comprising an heating resistor which detects the mass airflow of the air sucked into an internal combustion engine and an electronic circuit which, connected to this heating resistor electrically, outputs a signal corresponding to the suction mass airflow, using the heating resistor;

further comprising a temperature maintaining means which, after the internal combustion engine has stopped, maintains the heating resistor temperature equal to or higher than the temperature during the operation of the internal combustion engine until the temperature of the internal combustion engine and its apparatuses installed in the suction system has lowered below the generation temperature of volatile gas such as oil vapor.

2. A mass airflow measuring apparatus according to Claim 1;

further comprising a temperature detecting means which detects the temperature of the air sucked into the internal combustion engine; wherein the temperature maintaining means maintains the heating resistor temperature, based on the temperature detected by the temperature detecting means, equal to or higher than the temperature during the operation of the internal combustion engine even after the internal combustion engine has stopped.

3. A mass airflow measuring apparatus according to Claim 1;

further comprising a water temperature detecting means which detects the temperature of the cooling water of the internal combustion engine;

the temperature maintaining means maintaining the heating resistor temperature, based on the temperature detected by the water temperature detecting means, equal to or higher than the temperature during the operation of the internal combustion engine even after the internal combustion engine has
5 stopped.

4. A mass airflow measuring apparatus according to Claim 1;
the temperature maintaining means maintaining the heating resistor temperature, based on the elapsed time after the stoppage of the internal
10 combustion engine, equal to or higher than the temperature during the operation of the internal combustion engine even after the internal combustion engine has stopped.

5. A mass airflow measuring apparatus according to Claim 4;
15 the temperature maintaining means maintaining the heating resistor temperature, for the same length of time as the operation of the cooling fan of the internal combustion engine after the engine stoppage, equal to or higher than the temperature during the operation of the internal combustion engine even after the internal combustion engine has stopped.

20 6. A mass airflow measuring apparatus according to Claim 1;
the temperature maintaining means judging the stoppage of the internal combustion engine based on the mass airflow detected by the heating resistor.

25 7. A mass airflow measuring apparatus according to Claim 1;

further comprising a means which adds a mass airflow dependency to the apparatus so that the heating temperature of the heating resistor becomes higher on the very-low mass airflow side.